${\it Application\ or\ } \underline{{\it D}}{\it ocket\ Number}$ PATENT APPLICATION FEE DETERMINATION RECORD

Effective October 1, 2003									10618547				
CLAIMS AS FILED - PART I (Column 1) (Column 2)								SMALL ENTITY TYPE		OR	OTHER THAN		
TOTAL CLAIMS			16		•		RA	TE	FEE		RATE	FEE	
FOR			NUMBER FILED 1		NUMBER EXTRA		BASI	CFEE	3 8 5.00	OR	BASIC FEE	770.00	
TOTAL CHARGEABLE CLAIMS			/6 minus 20= *		0	X\$	9=		OR	X\$18=			
INE	EPENDENT CL	AIMS	2 minus 3 = *		٥	X4	3=		OR	X86=			
MULTIPLE DEPENDENT CLAIM PRESENT							+14	15=		OR	+290=		
* If the difference in column 1 is less than zero, enter "0" in column 2							TO	TAL	375.00	OR	TOTAL		
CLAIMS AS AMENDED - PART II (Column 1) (Column 2) (Column 3)							SM	ALL	ENTITY	OR	OTHER SMALL		
NTA		CLAIMS REMAINING AFTER AMENDMENT		HIGHES NUMBER PREVIOUS PAID FO	T R SLY	PRESENT EXTRA	RA	TE	ADDI- TIONAL FEE		RATE	ADDI- TIONAL FEE	
AMENDMENT	Total	*	Minus	**		=	X\$	9=		OR	X\$18=		
	Independent	*	Minus	***		=	X4	3=		OR	X86=		
	FIRST PRESE	NTATION OF M	JLTIPLE DEF	PENDENT C	LAIM		+14	15=		OR	+290=		
					OTAL		OR	TOTAL ADDIT. FEE					
ADDIT. FEEON ADDIT. FEEON ADDIT. FEEON ADDIT. FEEON ADDIT. FEEON ADDIT. FEE													
AMENDMENT B		CLAIMS REMAINING AFTER AMENDMENT		HIGHES NUMBE PREVIOUS PAID FO	R SLY	PRESENT EXTRA	RA	TE	ADDI- TIONAL FEE		RATE	ADDI- TIONAL FEE	
	Total	*	Minus	**		=	X\$	9=		OR	X\$18=	·	
	Independent	*	Minus	***		=	X4	3=		OR	X86=		
	FIRST PRESE	NTATION OF M	JLTIPLE DEI	PENDENT C	LAIM	<u> </u>	+14	15=		OR	+290=		
							ADDI	OTAL . FEE		OR	TOTAL ADDIT. FEE		
		(Column 1)		(Column		(Column 3)	_						
AMENDMENT C		CLAIMS REMAINING AFTER AMENDMENT		HIGHES NUMBE PREVIOU PAID FO	R ISLY	PRESENT EXTRA	RA	TE	ADDI- TIONAL FEE		RATE	ADDI- TIONAL FEE	
	Total	*	Minus	**		=] ×\$	9=		OR	X\$18=		
	Independent	*	Minus	***		=	X.	3=		OR	X86=	,	
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM							 15=		OR	+290=		
* If the entry in column 1 is less than the entry in column 2, write "0" in column 3. TOTAL OD TOTAL													
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20." ADDIT. FEE ADDIT. FEE ADDIT. FEE THIGHEST Number Previously Paid For" IN THIS SPACE is less than 3, enter "3." The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.													

PATENT	APPLICATION	SERIAL	NO.	

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE FEE RECORD SHEET

07/17/2003 DENMANU1 00000051 10618597

01 FC:2001

375.00 OP